

ITCE320

Network Programming

Quiz: 2

Date: Thu 24.03.2016

SID: [REDACTED]

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Section: 1

Q1. The following piece of code is used to print out the local machine's name, address (as a string) and address in byte format. Answer the following question. [10 Marks]

```
public static void main(String[] args) {  
    printLocalAddress();  
}
```

Write the code for implementing the following function:

- printLocalAddress():

```
void printLocalAddress()  
{  
    try  
    {  
        InetAddress ad = InetAddress.getLocalHost();  
        System.out.println("HostName: " + ad.getHostName());  
        System.out.println("IP address: " + ad.getHostAddress());  
  
        byte[] ip = new byte[4];  
        ip = ad.getAddress();  
  
        for (int i = 0; i < ip.length; i++)  
            System.out.println(ip[i]);  
    }  
    catch (UnknownHostException  
    {  
        System.out.print("Error.....");  
    }  
}
```